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**HAROLD LEGGETT, PH.D.**  
SECRETARY

## State of Louisiana

### DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001  
Agency Interest No.: 32666

Mr. Ashby Cook  
Division Manager  
BEPCO, LP  
Two Lakeway Center  
3850 N Causeway Blvd Ste 1900  
Metairie, LA 70002

RE: Part 70 Operating Permit, Cox Bay Compressor Station, BEPCO, LP, Port Sulphur, Plaquemines Parish, Louisiana

Dear Mr. Cook:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 2240-00214-V3

Sincerely,

*Harold D. Leggett*

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COX BAY COMPRESSOR STATION  
AGENCY INTEREST NO.: 32666  
BEPCO LP  
PORT SULPHUR, PLAQUEMINES PARISH, LOUISIANA**

**I. Background**

BEPCO LP, Cox Bay Compressor Station, an existing oil and gas production facility began operation in 1980. The Cox Bay Compressor Station currently operates under Permit No. 2240-00214-V2, issued November 13, 2006.

**II. Origin**

A permit application and Emission Inventory Questionnaire, dated June 26, 2008, were submitted by BEPCO LP, requesting a Part 70 operating permit modification. Additional information dated January 16, 2009 was also submitted.

**III. Description**

Crude oil and gas from the nearby South Barge Production Facility are directed to Cox Bay Compressor and Oil Facility. The oil is stored on-site until pumped to a marine barge for transfer and sales. Gas is compressed and then sent through a glycol contact tower for drying. High-pressure dry gas is used as fuel for the facility and for gas-lift purposes with the excess being sold by pipeline. The glycol dehydration unit is equipped with a glycol pump flash separator where its off-gas is used as fuel for the glycol burner and the relief line is piped to a continuous-burn flare system for combustion. Still column vapors are routed through a condensing unit where its off-gas is piped to the flare system. Fluids from various skids, diked areas, and tank bottoms are pumped to a 400 barrel fluids tank at the site. A high pressure flare tip is used for emergency purposes to combust gas from pressure releases. Various gas-operated pumps and insignificant storage tanks are also utilized at this facility.

With this modification, BEPCO LP proposes to:

- Delete the cooling tower pump (5-96-ICE-ES) and emission cap CAP 1.
- Add a gas compressor (39-08ICE-ES), a blowcase vessel (40-08-BV), generators (42-08-ICE-ES and 43-08-ICE-ES), and gas operated pumps (44-08-GOP and 45-08-GOP).
- Add an emission cap (CAP 2) for Generators 42-08-ICE-ES and 43-08-ICE-ES.
- Add a lube oil tank (41-08-41) to the Insignificant Activities list.
- Revise emission rates for several emission point sources based on the updated throughput rates, emission factors, and/or current facility conditions.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	3.77	4.25	+ 0.48
SO <sub>2</sub>	0.06	0.09	+ 0.03
NO <sub>X</sub>	503.51	541.91	+ 38.40*
CO	166.26	208.91	+ 42.65*
VOC **	40.77	70.62	+ 29.85

\*The increases are based on the potential emissions. The "reasonable possibility" standard is not required.

**\*\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Benzene	0.30	0.62	+ 0.32
Ethylbenzene	0.01	0.02	+ 0.01
Formaldehyde	2.15	2.66	+ 0.51
Methanol	0.12	0.20	+ 0.08
n-Hexane	1.20	1.77	+ 0.57
Toluene	0.27	0.47	+ 0.20
2,2,4-Trimethylpentane	0.22	0.26	+ 0.04
Xylene	0.10	0.15	+ 0.05
<b>Total</b>	<b>4.37</b>	<b>6.15</b>	<b>+ 1.78</b>

Other VOC (TPY): 64.47

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations. Prevention of Significant Deterioration (PSD), New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable

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requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on April XX, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on April XX, 2009. The draft permit was also submitted to US EPA Region VI. XX comment was received.

**VII. Effects on Ambient Air**

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Sampling Procedures	N/A	-	-	-	-	0.25
Pump Preparation	N/A	-	-	-	-	0.13
Line Preparation	N/A	-	-	-	-	0.25
Vessel Preparation	N/A	-	-	-	-	0.20
Filter Replacement	N/A	-	-	-	-	0.05
Instrumentation Mechanical Work	N/A	-	-	-	-	0.10
Tank Cleaning for Inspection/Service	N/A	-	-	-	-	0.38
Internal Combustion Engine Startup, Shutdown, Maintenance, and Blowdowns	N/A	-	-	-	-	2.25

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**IX. Insignificant Activities**

ID No.:	Description	Citation
32-03-LOT	30 gallon - Lube Oil Storage Tank	LAC 33:III.501.B.5.A.2
33-03-LOT	30 gallon - Lube Oil Storage Tank	LAC 33:III.501.B.5.A.2
21-96-DST-V	1,000 gallon – Diesel Storage Tank - Vent	LAC 33:III.501.B.5.A.3
30-03-LOT	1,000 gallon - Lube Oil Storage Tank	LAC 33:III.501.B.5.A.3
31-03-LOT	1,000 gallon - Lube Oil Storage Tank	LAC 33:III.501.B.5.A.3
41-08-LOT	500 gallon - Lube Oil Storage Tank	LAC 33:III.501.B.5.A.3

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**PORT SULPHUR, PLAQUEMINES PARISH, LOUISIANA****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56	59*
UNF001	Cox Bay Compressor & Oil Facility		1	1	1									1					
EQT001	4-96-ICE-ES – Internal Combustion Engine					1	1	3											1
EQT003	6-96-ICE-ES – Internal Combustion Engine					1	1	3											
EQT004	9-96-ICE-ES – Internal Combustion Engine					1	1	3											
EQT005	10-96-ICE-ES – Internal Combustion Engine					1	1	3											
EQT006	11-96-ICE-ES – Internal Combustion Engine					1	1	3											
EQT010	3-96-LL – Loading Losses																		
EQT011	16-96-GR-BS – Glycol Regenerator – Burner Stack																		
EQT012	17-96-GR-BS – Glycol Regenerator – Still Column																		1
EQT013	13-96-GOP – Gas Operated Pump																		
EQT014	14-96-GOP – Gas Operated Pump																		
EQT016	18-96-F – Continuous-Burn Flare																		1
EQT017	19-96-GST-V – Gasoline Storage Tank																		1
EQT018	24-98-OST-V – 400 BBL Storage Tank																		3

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		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56
EQT019	25-03-PC – Pneumatic Controllers																	
EQT021	26-03-GOP – Gas Operated Pump																	
EQT022	27-03-GOP – Gas Operated Pump																	
EQT023	28-03-GOP – Gas Operated Pump																	
EQT024	29-03-BV – Blowcase Vessel																	
EQT025	34-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																	
EQT026	35-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																	
EQT027	36-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																	
EQT028	37-05-F – Control Flare																	
EQT029	38-05-GPFS-RV – Glycol Pump Flash Separator – Relief Vent																	
EQT032	39-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	1																
EQT033	40-08-BV - Blowcase Vessel																	
EQT034	42-08-ICE-ES - Internal Combustion Engine - Exhaust Engine																	
EQT035	43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine																	
EQT036	44-08-GOP - Gas Operated Pump																	
EQT037	45-08-GOP - Gas Operated Pump																	

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		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56
FUG001	20-96-FE – Fugitive Emissions										1							

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR						
		A	K	Ka	Kb	Db	Dc	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	S2	64	68							
UNF001	Cox Bay Compressor & Oil Facility	1																								
EQT001	4-96-ICE-ES - Internal Combustion Engine																									
EQT003	6-96-ICE-ES - Internal Combustion Engine																									
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EQT017	19-96-GST-V - Gasoline Storage Tank																									
EQT018	24-98-OST-V - 400 BBL Storage Tank																									
EQT019	25-03-PC - Pneumatic Controllers																									
EQT021	26-03-GOP - Gas Operated Pump																									
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		A	K	Ka	Kb	Dc	Dc	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	S2	64	68
EQT025	34-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																		
EQT026	35-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																		
EQT027	36-05-OST-V – 10,000 bbl Oil Storage Tank - Vent																		
EQT028	37-05-F – Control Flare	1																	
EQT029	38-05-GPFS-RV – Glycol Pump Flash Separator – Relief Vent																		
EQT032	39-08-ICE-ES - Internal Combustion Engine - Exhaust Engine							3									2		
EQT033	40-08-BV - Blowcase Vessel							3											
EQT034	42-08-ICE-ES - Internal Combustion Engine - Exhaust Engine							3								2			
EQT035	43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine							3								2			
EQT036	44-08-GOP - Gas Operated Pump																		
EQT037	45-08-GOP - Gas Operated Pump																		
FUG001	20-96-FE - Fugitive Emissions																		

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

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- 2** -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3** -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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**PORT SULPHUR, PLAQUEMINES PARISH, LOUISIANA****XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQT001, EQT003, EQT004, EQT005, EQT006	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]  NSPS Subpar JJJJ – Standards Of Performance For Stationary Spark Ignition Internal Combustion Engines [40 CFR 60.4230]	DOES NOT APPLY. Potential SO <sub>2</sub> emissions from each of these emission sources are less than 5 tons per year.
	NESHAP Subpart ZZZZ – Stationary RICE [40 CFR 63.6590]	DOES NOT APPLY. No modification or reconstruction after June 12, 2006.
EQT032	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	Existing and located at an area source of HAPS
	NSPS Subpar JJJJ – Standards Of Performance For Stationary Spark Ignition Internal Combustion Engines [40 CFR 60.4230]	DOES NOT APPLY. Potential SO <sub>2</sub> emissions from each of these emission sources are less than 5 tons per year.
EQT034, EAT035	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	DOES NOT APPLY. Less than 1,350 HP and manufactured prior to July 1, 2007.
	NSPS Subpar JJJJ – Standards Of Performance For Stationary Spark Ignition Internal Combustion Engines [40 CFR 60.4230]	Not subject to NSPS and located at an area source of HAPS
EQT018, EQT024, EQT033	Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Potential SO <sub>2</sub> emissions from each of these emission sources are less than 5 tons per year.
		DOES NOT APPLY. Less than 500 HP and manufactured prior to July 1, 2008.
		Not subject to NSPS and located at an area source of HAPS
		DOES NOT APPLY. Storage capacity is less than 420,000 gallons and stores crude oil prior to custody transfer.

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQT017, EQT018, EQT024, EQT033	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110(b)]	DOES NOT APPLY. Storage capacity less than 75 cubic meters.

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

## **40 CFR PART 70 GENERAL CONDITIONS**

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the

## 40 CFR PART 70 GENERAL CONDITIONS

communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and

## **40 CFR PART 70 GENERAL CONDITIONS**

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

## **40 CFR PART 70 GENERAL CONDITIONS**

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated June 26, 2008, along with supplemental information dated January 16, 2009.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

4. Report by March 31 to cover October through December
  - D. Each report submitted in accordance with this condition shall contain the following information:
    1. Description of noncomplying emission(s);
    2. Cause of noncompliance;
    3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
    4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
    5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
  - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
  - 1. Generally be less than 5 TPY
  - 2. Be less than the minimum emission rate (MER)
  - 3. Be scheduled daily, weekly, monthly, etc., or
  - 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
 La. Dept. of Environmental Quality  
 Post Office Box 4302  
 Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information**

**AID:** 32666 Cox Bay Compressor or Station  
**Activity Number:** PER20080001  
**Permit Number:** 2240-00214-V3  
**Air - Title V Regular Permit Minor Mod**

Also Known As:	ID	Name	User Group	Start Date
	2240-00214	Cox Bay Compressor Station	CDS Number	07-16-2002
	LAG33A391	LPDES #	LPDES Permit #	03-11-2006
		BEPCO LP	Multimedia	02-21-2006
Physical Location:	5.5 Mi SE of Nairn, LA		Main Phone:	5048367200
Mailing Address:	Two Lakeway Center 3850 N Causeway Blvd Ste 1900 Metairie, LA 70002			
Location of Front Gate:	29° 27' 43" 1 hundredths latitude, 89° 37' 28" 6 hundredths longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83			
Related People:		Mailing Address	Phone (Type)	Relationship
	Ashby Cook	Two Lakeway Center Metairie, LA 70002	awcook@basspet.co	Responsible Official for
	Ashby Cook	Two Lakeway Center Metairie, LA 70002	5048367520 (WP)	Responsible Official for
	Ashby Cook	Two Lakeway Center Metairie, LA 70002	awcook@basspet.co	Water Permit Contact For
	Ashby Cook	Two Lakeway Center Metairie, LA 70002	5048367520 (WP)	Water Permit Contact For
	Ruel Toups	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Emission Inventory Contact for
	Ruel Toups	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	RATOUPS@BASSP	Emission Inventory Contact for
Related Organizations:		Address	Phone (Type)	Relationship
	BEPCO LP	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Operates
	BEPCO LP	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Owns
	BEPCO LP	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Emission Inventory Billing Party
	BEPCO LP	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Air Billing Party for
	BEPCO LP	3850 N Causeway Blvd Ste 1900 Metairie, LA 70002	5048367200 (WP)	Water Billing Party for
NAIC Codes:	211111, Crude Petroleum and Natural Gas Extraction			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 32666 - Cox Bay Compressor Station  
 Activity Number: PER20080001  
 Permit Number: 2240-00214-V3  
 Air - Title V Regular Permit Minor Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Cox Bay Compressor &amp; Oil Facility</b>						
EQT 0001	4-96-ICE-ES - Internal Combustion Engine		108 horsepower	108 horsepower		8760 hr/yr
EQT 0003	6-96-ICE-ES - Internal Combustion Engine		141 horsepower	141 horsepower		300 hr/yr
EQT 0004	9-96-ICE-ES - Internal Combustion Engine		550 horsepower	550 horsepower		8760 hr/yr
EQT 0005	10-96-ICE-ES - Internal Combustion Engine		660 horsepower	660 horsepower		8760 hr/yr
EQT 0006	11-96-ICE-ES - Internal Combustion Engine		660 horsepower	660 horsepower		8760 hr/yr
EQT 0010	3-96-LL - Loading Losses	332880 bbl/yr				665.8 hr/yr
EQT 0011	16-96-GR-B5 - Glycol Regenerator	63 MM BTU/hr	.63 MM BTU/hr	.63 MM BTU/hr		8760 hr/yr
EQT 0012	17-96-GR-SCC - Still Column Condenser	5475 MM scf/yr	5475 MM scf/yr	5475 MM scf/yr		8760 hr/yr
EQT 0013	13-96-GOP - Gas Operated Pump	.96 MM ft^3/yr	.96 MM ft^3/yr	.96 MM ft^3/yr		365 hr/yr
EQT 0014	14-96-GOP - Gas Operated Pump	.96 MM ft^3/yr	.96 MM ft^3/yr	.96 MM ft^3/yr		365 hr/yr
EQT 0016	18-96-F - Flare		8.7 MM scf/yr	8.7 MM scf/yr		8760 hr/yr
EQT 0017	19-96-GST-V - Gasoline Storage Tank	20000 gallons	100000 gallons/yr	100000 gallons/yr	gasoline	8760 hr/yr
EQT 0018	24-98-OST-V - Oil Storage Tank	400 bbl	365 bbl/yr	365 bbl/yr	oil	8760 hr/yr
EQT 0019	25-03-PC - 25-03-PC - Pneumatic Controllers		2.4 MM scf/yr	2.4 MM scf/yr		8760 hr/yr
EQT 0021	26-03-GOP - Gas Operated Pump	.96 MM ft^3/yr	.96 MM ft^3/yr	.96 MM ft^3/yr		365 hr/yr
EQT 0022	27-03-GOP - Gas Operated Pump	.96 MM ft^3/yr	.96 MM ft^3/yr	.96 MM ft^3/yr		365 hr/yr
EQT 0023	28-03-GOP - Gas Operated Pump	.96 MM ft^3/yr	.96 MM ft^3/yr	.96 MM ft^3/yr		365 hr/yr
EQT 0024	29-03-BV - Blowcase Vessel		29200 gallons/yr	29200 gallons/yr		8760 hr/yr
EQT 0025	34-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	10000 bbl	110960 bbl/yr	82125 bbl/yr	oil	8760 hr/yr
EQT 0026	35-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	10000 bbl	109500 bbl/yr	82125 bbl/yr	oil	8760 hr/yr
EQT 0027	36-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	10000 bbl	109500 bbl/yr	82125 bbl/yr	oil	8760 hr/yr
EQT 0028	37-05-F - Control Flare		3 MM scf/yr	3 MM scf/yr		8760 hr/yr
EQT 0029	38-05-GPFS-RV - Glycol Pump Flash Separator - Relief Vent		6 MM ft^3/yr	6 MM ft^3/yr		8760 hr/yr
EQT 0032	39-08-ICE-ES - Internal Combustion Engine - Exhaust		896 horsepower	896 horsepower		8760 hr/yr
EQT 0033	40-08-BV - Blowcase Vessel		29200 gallons/yr	29200 gallons/yr		8760 hr/yr
EQT 0034	42-08-ICE-ES - Internal Combustion Engine - Exhaust		141 horsepower	141 horsepower	(None Specified)	(None Specified)
EQT 0035	43-08-ICE-ES - Internal Combustion Engine - Exhaust		141 horsepower	141 horsepower	(None Specified)	(None Specified)
EQT 0036	44-08-GOP - Gas Operated Pump		.77 MM ft^3/yr	.77 MM ft^3/yr	52 hr/yr	52 hr/yr
EQT 0037	45-08-GOP - Gas Operated Pump		.77 MM ft^3/yr	.77 MM ft^3/yr	52 hr/yr	52 hr/yr
FUG 0001	20-96-FE - Fugitive Emissions				Not applicable	8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Cox Bay Compressor &amp; Oil Facility</b>							
EQT 0001	4-96-ICE-ES - Internal Combustion Engine	115	486	.3		10	1000
FUG 0001	20-96-FE - Fugitive Emissions						

**INVENTORIES**

**AI ID: 32666 - Cox Bay Compressor Station**  
**Activity Number: PER20080001**  
**Permit Number: 2240-00214-V3**  
**Air - Title V Regular Permit Minor Mod**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Cox Bay Compressor &amp; Oil Facility</b>							
EQT 0003	6-96-ICE-ES - Internal Combustion Engine	150	635	.3		7	1000
EQT 0004	9-96-ICE-ES - Internal Combustion Engine	52	5500	1.5		25	500
EQT 0005	10-96-ICE-ES - Internal Combustion Engine	62	6600	1.5		25	500
EQT 0006	11-96-ICE-ES - Internal Combustion Engine	62	6600	1.5		25	500
EQT 0010	3-96-LL - Loading Losses	7	3	.3		5	70
EQT 0011	16-96-GR-B5 - Glycol Regenerator	5	220	1		15	500
EQT 0013	13-96-GOP - Gas Operated Pump	265	45	.06		2	70
EQT 0014	14-96-GOP - Gas Operated Pump	265	45	.06		2	70
EQT 0016	18-96-F - Flare	319	1353	.3		25	1500
EQT 0017	19-96-GST-V - Gasoline Storage Tank	.1	.1	.2		15	70
EQT 0018	24-98-OST-V - Oil Storage Tank			.5		20	70
EQT 0019	25-03-PC - 25-03-PC - Pneumatic Controllers					70	70
EQT 0021	26-03-GOP - Gas Operated Pump	265	45	.06		2	70
EQT 0022	27-03-GOP - Gas Operated Pump	265	45	.06		2	70
EQT 0023	28-03-GOP - Gas Operated Pump	265	45	.06		2	70
EQT 0024	29-03-BV - Blowcase Vessel	2.5	.05	.02		2	70
EQT 0025	34-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	.03	1	.5		26	70
EQT 0026	35-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	.05	1.6	.5		26	80
EQT 0027	36-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	.05	1.6	.5		26	80
EQT 0028	37-05-F - Control Flare	118	499	.3		25	1500
EQT 0032	39-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	342	4032	.5		10	1000
EQT 0033	40-08-BV - Blowcase Vessel	.53	1	.02		2	70
EQT 0034	42-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	54	635	.5		10	1000
EQT 0035	43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	54	635	.5		10	1000
EQT 0036	44-08-GOP - Gas Operated Pump	819	247	.08		2	70
EQT 0037	45-08-GOP - Gas Operated Pump	819	247	.08		2	70

**Relationships:**

ID	Description	Relationship	ID	Description
EQT 0011	16-96-GR-B5 - Glycol Regenerator	Controls emissions from	EQT 0029	38-05-GPFS-RV - Glycol Pump Flash Separator - Relief Vent
EQT 0012	17-96-GR-SCC - Still Column Condenser	Controlled by	EQT 0016	18-96-F - Flare
EQT 0016	18-96-F - Flare	Controls emissions from	EQT 0029	38-05-GPFS-RV - Glycol Pump Flash Separator - Relief Vent
EQT 0025	34-05-OST-V - 10,000 BBL Oil Storage Tank-Vent	Controlled by	EQT 0028	37-05-F - Control Flare

**INVENTORIES**

AI ID: 326666 - Cox Bay Compressor Station  
 Activity Number: PER20080001  
 Permit Number: 2240-00214-V3  
 Air - Title V Regular Permit Minor Mod

**Relationships:**

ID	Description	Relationship	ID	Description
EQT 0026	35-05-OST:V - 10,000 BBL Oil Storage Tank-Vent	Controlled by	EQT 0028	37-05-F - Control Flare
EQT 0027	36-05-OST:V - 10,000 BBL Oil Storage Tank-Vent	Controlled by	EQT 0028	37-05-F - Control Flare

**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0004	Equipment Group	CAP 2 - Emission Cap for Generator Engines
UNF 0002	Unit or Facility Wide	FACILITY WIDEE - Cox Bay Compressor & Oil Facility

**Group Membership:**

ID	Description	Member of Groups
EQT 0034	42-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	GRP0000000004
EQT 0035	43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine	GRP0000000004

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0043	0043 Crude Oil and Natural Gas Production (Greater than 500 T/Y, Source)		

**SIC Codes:**

1311	Crude petroleum and natural gas	AI 326666
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SC2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Cox Bay Compressor &amp; Oil Facility</b>															
EQT 0001 496-ICE-ES	3.10	3.84	13.56	3.10	3.87	13.56	0.01	0.05	<0.01	<0.01	<0.01	0.06	0.08	0.28	
EQT 0003 696-ICE-ES	4.04	5.05	0.61	4.04	5.05	0.61	0.02	0.02	<0.01	<0.01	<0.01	0.08	0.10	0.01	
EQT 0004 996-ICE-ES	9.81	12.13	42.97	35.75	38.81	156.59	0.24	0.24	1.06	0.01	0.01	0.21	0.26	0.91	
EQT 0005 1096-ICE-ES	11.77	14.55	51.57	37.44	43.66	164.01	0.29	0.29	1.27	0.01	0.01	0.22	0.25	0.31	1.10
EQT 0006 1196-ICE-ES	11.77	14.55	51.57	37.44	43.66	164.01	0.29	0.29	1.27	0.01	0.01	0.22	0.25	0.31	1.10
EQT 0010 396-LL													19.82	31.71	6.60
EQT 0011 1696-CR-BS	0.05	0.05	0.20	0.05	0.05	0.24	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.01	0.01
EQT 0013 1396-GOP													16.07	16.07	2.93
EQT 0014 1496-GOP													16.07	16.07	2.93
EQT 0016 1896-F	0.33	0.33	1.44	0.16	0.16	0.72	0.01	0.01	0.05			0.23	0.23	1.01	
EQT 0017 1996-GST-V													0.47	0.47	2.07
EQT 0018 2496-GST-V													2.98	2.98	18.08
EQT 0019 2593-GPC													2.17	2.17	9.52
EQT 0021 2693-GOP													16.07	16.07	2.93
EQT 0022 2793-GOP													16.07	16.07	2.93
EQT 0023 2993-BV													16.07	16.07	2.93
EQT 0024 3093-BV													0.02	0.02	0.08
EQT 0025 3495-GST-V													0.10	3.11	0.42
EQT 0026 3595-GST-V													0.10	3.11	0.42
EQT 0027 3695-GST-V													0.10	3.11	0.42
EQT 0028 3795-f	0.19	0.19	0.82	0.09	0.09	0.41	<0.01	0.02	<0.01	<0.01	<0.01	0.42	0.42	1.82	
EQT 0032 3998-CE-ES	5.93	7.41	25.96	4.94	6.17	21.63	0.10	0.10	0.43	0.01	0.01	0.52	0.65	2.28	
EQT 0033 4098-BV													0.03	0.55	0.13

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Cox Bay Compressor &amp; Oil Facility</b>															
EQT 0034 42-08-ICE-ES	5.05			5.05			0.02			<0.01					0.10
EQT 0035 43-08-ICE-ES	5.05			5.05			0.02			<0.01					0.10
EQT 0036 44-08-COP													116.49	116.49	3.03
EQT 0037 45-08-COP													116.49	116.49	3.03
FUG 0001 20-98-FE													0.74	0.74	3.24
GRP 0004 Cap2	4.04			20.21	4.04		20.21	0.02		0.08	<0.01		<0.01	0.08	0.41

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 4-96-ICE-ES	Benzene	0.01	0.01	0.02
	Formaldehyde	0.01	0.01	0.05
	Methanol	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.01
EQT 0003 6-96-ICE-ES	Benzene	0.01	0.01	<0.01
	Formaldehyde	0.02	0.02	<0.01
EQT 0004 9-96-ICE-ES	2,2,4-Trimethylpentane	0.01	0.01	0.04
	Benzene	<0.01	<0.01	0.02
	Formaldehyde	0.14	0.14	0.62
	Methanol	0.01	0.01	0.03
	Toluene	<0.01	<0.01	0.01
EQT 0005 10-96-ICE-ES	2,2,4-Trimethylpentane	0.01	0.01	0.05
	Benzene	0.01	0.01	0.02
	Formaldehyde	0.17	0.17	0.74
	Methanol	0.01	0.01	0.04
	Toluene	<0.01	<0.01	0.01
	n-Hexane	<0.01	<0.01	0.01
EQT 0006 11-96-ICE-ES	2,2,4-Trimethylpentane	0.01	0.01	0.05
	Benzene	0.01	0.01	0.02
	Formaldehyde	0.17	0.17	0.74
	Methanol	0.01	0.01	0.04
	Toluene	<0.01	<0.01	0.01
	n-Hexane	<0.01	<0.01	0.01
EQT 0010 3-96-LL	Benzene	0.02	0.03	0.01
	n-Hexane	1.78	2.85	0.59
EQT 0013 13-96-GOP	2,2,4-Trimethylpentane	0.06	0.06	0.01
	Benzene	0.05	0.05	0.01
	Toluene	0.05	0.05	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	0.26	0.26	0.05
EQT 0014 14-96-GOP	2,2,4-Trimethylpentane	0.06	0.06	0.01
	Benzene	0.05	0.05	0.01
	Toluene	0.05	0.05	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0014 14-96-GOP	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	0.26	0.26	0.05
EQT 0016 18-96-F	Benzene	0.02	0.02	0.09
	Ethyl benzene	0.002	0.002	0.01
	Toluene	0.03	0.03	0.13
	Xylene (mixed isomers)	0.01	0.01	0.07
	n-Hexane	0.005	0.005	0.02
EQT 0017 19-96-GST-V	Benzene	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.01
	n-Hexane	<0.01	<0.01	0.04
EQT 0018 24-98-OST-V	2,2,4-Trimethylpentane	<0.01	<0.01	0.02
	Benzene	0.01	0.01	0.03
	Toluene	<0.01	<0.01	0.01
	n-Hexane	0.10	0.10	0.45
EQT 0019 25-03-PC	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	<0.01	<0.01	0.01
	n-Hexane	0.03	0.03	0.14
EQT 0021 26-03-GOP	2,2,4-Trimethylpentane	0.06	0.06	0.01
	Benzene	0.05	0.05	0.01
	Toluene	0.05	0.05	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	0.26	0.26	0.05
EQT 0022 27-03-GOP	2,2,4-Trimethylpentane	0.06	0.06	0.01
	Benzene	0.05	0.05	0.01
	Toluene	0.05	0.05	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	0.26	0.26	0.05
EQT 0023 28-03-GOP	2,2,4-Trimethylpentane	0.06	0.06	0.01
	Benzene	0.05	0.05	0.01
	Toluene	0.05	0.05	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0023 28-03-GOP	n-Hexane	0.26	0.26	0.05
EQT 0025 34-05-OST-V	2,2,4-Trimethylpentane	<0.01	0.01	<0.01
	n-Hexane	<0.01	0.08	0.01
EQT 0026 35-05-OST-V	2,2,4-Trimethylpentane	<0.01	0.01	<0.01
	n-Hexane	<0.01	0.08	0.01
EQT 0027 36-05-OST-V	2,2,4-Trimethylpentane	<0.01	0.01	<0.01
	n-Hexane	<0.01	0.08	0.01
EQT 0028 37-05-F	Benzene	0.02	0.02	0.07
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	0.03	0.03	0.11
	Xylene (mixed isomers)	0.01	0.01	0.06
	n-Hexane	0.02	0.02	0.11
EQT 0032 39-08-ICE-ES	Benzene	0.04	<0.04	0.19
	Formaldehyde	0.10	0.10	0.43
	Methanol	0.01	0.01	0.06
	Toluene	0.01	0.01	0.06
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0033 40-08-BV	n-Hexane	<0.01	0.01	<0.01
EQT 0034 42-08-ICE-ES	Benzene		0.01	
	Formaldehyde		0.02	
EQT 0035 43-08-ICE-ES	Benzene		0.01	
	Formaldehyde		0.02	
EQT 0036 44-08-GOP	2,2,4-Trimethylpentane	0.42	0.42	0.01
	Benzene	0.36	0.36	0.01
	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	1.77	1.77	0.05
EQT 0037 45-08-GOP	2,2,4-Trimethylpentane	0.42	0.42	0.01
	Benzene	0.36	0.36	0.01
	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.02	0.02	<0.01
	n-Hexane	1.77	1.77	0.05
FUG 0001 20-96-FE	Benzene	<0.01	<0.01	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32666 - Cox Bay Compressor Station

Activity Number: PER20080001

Permit Number: 2240-00214-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0001 20-96-FE	Toluene	<0.01	<0.01	0.01
	n-Hexane	<0.01	<0.01	0.02
GRP 0004 CAP 2	Benzene	0.01		0.03
	Formaldehyde	0.02		0.08
	Methanol	<0.01		0.01
	Toluene	<0.01		0.01
UNF 0002 FACILITY WIDE	2,2,4-Trimethylpentane			0.26
	Benzene			0.62
	Ethyl benzene			0.02
	Formaldehyde			2.66
	Methanol			0.20
	Toluene			0.47
	Xylene (mixed isomers)			0.15
	n-Hexane			1.77

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS****AI ID: 32666 - Cox Bay Compressor Station****Activity Number: PER20080001****Permit Number: 2240-00214-V3****Air - Title V Regular Permit Minor Mod****EQT 0001 4-96-ICE-ES - Internal Combustion Engine**

1 [LAC 33:III.1|01.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

2 [LAC 33:III.1|311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average

**EQT 0003 6-96-ICE-ES - Internal Combustion Engine**

3 [LAC 33:III.1|01.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

4 [LAC 33:III.1|311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average

**EQT 0004 9-96-ICE-ES - Internal Combustion Engine**

5 [LAC 33:III.1|01.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

6 [LAC 33:III.1|311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average

7 [LAC 33:III.507.H.1.a] Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
Which Months: All Year Statistical Basis: None specified

Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
Which Months: All Year Statistical Basis: None specified  
Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO, O<sub>2</sub>, SO<sub>2</sub> and VOC concentrations in the stack gas obtained during semiannual testing.

**SPECIFIC REQUIREMENTS**

**AI ID:** 32666 - Cox Bay Compressor Station  
**Activity Number:** PER20080001  
**Permit Number:** 2240-00214-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT 0004 9-96-ICE-ES - Internal Combustion Engine**

10 [LAC 33:III.507.H.1.a]

Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannual (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

11 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

**EQT 0005 10-96-ICE-ES - Internal Combustion Engine**

14 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

15 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

**SPECIFIC REQUIREMENTS**

**AI ID:** 32666 - Cox Bay Compressor Station  
**Activity Number:** PER20080001  
**Permit Number:** 2240-002-14-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT 0005 10-96-ICE-ES - Internal Combustion Engine**

17 [LAC 33:III.507.H.1.a]

Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

18 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

19 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

20 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NO<sub>x</sub>, CO, O<sub>2</sub>, SO<sub>2</sub> and VOC concentrations in the stack gas obtained during semiannual testing.

**EQT 0006 11-96-ICE-ES - Internal Combustion Engine**

21 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

22 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

23 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

24 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average  
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

25 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

26 [LAC 33:III.507.H.1.a]

**SPECIFIC REQUIREMENTS**

AI ID: 32686 - Cox Bay Compressor Station  
**Activity Number:** PER2008001  
**Permit Number:** 2240-00214-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT 0006 11-96-ICE-ES - Internal Combustion Engine**

- 27 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

- Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
 Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
 Which Months: All Year Statistical Basis: None specified

- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.  
 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NO<sub>x</sub>, CO, O<sub>2</sub>, SO<sub>2</sub> and VOC concentrations in the stack gas obtained during semiannual testing.

**EQT 0012 17-96-GR-SCC - Still Column Condenser**

- Maintain records as specified in 40 CFR 63.10(b)(3). Subpart HH. [40 CFR 63.760(e)]  
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in 40 CFR 63.774(d)(i) or (d)(1)ii), as applicable. Subpart HH. [40 CFR 63.774(d)]  
 VOC, Total >= 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.  
 Permittee shall control glycol dehydrator still column emissions using a flare.

**EQT 0016 18-96-F - Flare**

- Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID:** 32666 - Cox Bay Compressor Station  
**Activity Number:** PER20080001  
**Permit Number:** 2240-00214-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT 0016 18-96-F - Flare**

- 37 [LAC 33:III.2|116.B.3] Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.  
 Which Months: All Year Statistical Basis: None specified
- 38 [LAC 33:III.2|116.B.3] Flare gas: Heat content recordkeeping by electronic or hard copy annually.
- 39 [LAC 33:III.2|116.B.3] Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.
- 40 [LAC 33:III.2|116.B.3] As approved by LDEQ on July 18, 2007, the annual sales gas analysis can be used to show compliance with the requirement of maintaining heat content greater than 300 BTU/SCF.
- 41 [LAC 33:III.2|116.B.3] Presence of a flame monitored by visual inspection/determination daily.  
 Which Months: All Year Statistical Basis: None specified
- 42 [LAC 33:III.2|116.B.3] Presence of a flame recordkeeping by electronic or hard copy daily.

**EQT 0017 19-96-GST-V - Gasoline Storage Tank**

- 43 [LAC 33:III.2|03.A] Equip with a submerged fill pipe.  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.

**EQT 0027 36-05-OST-V - 10,000 BBL Oil Storage Tank-Vent**

- 45 [40 CFR 60.112b(a)(3)(ii)] VOC, Total  $\geq$  95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]  
 Which Months: All Year Statistical Basis: None specified
- 46 [40 CFR 60.112b(b)(1)] Equip with a closed vent system and control device as specified in 40 CFR 60.112b(a)(3). Subpart Kb. [40 CFR 60.112b(b)(1)]
- 47 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 48 [40 CFR 60.116b(c)] VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 49 [LAC 33:III.2|03.B] Equip with a submerged fill pipe.
- 50 [LAC 33:III.2|03.E.1] VOC, Total  $\geq$  95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
 Which Months: All Year Statistical Basis: None specified
- 51 [LAC 33:III.2|03.E] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
- 52 [LAC 33:III.2|03.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.

**SPECIFIC REQUIREMENTS**

**AI ID: 32666 - Cox Bay Compressor Station**  
**Activity Number: PER20080001**  
**Permit Number: 2240-00214-V3**  
**Air - Title V Regular Permit Minor Mod**

**EQT 0027 36-05-OST-V - 10,000 BBL Oil Storage Tank-Vent**

53 [LAC 33.III.2103.1]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC  
33.III.2103.1.1 - 7, as applicable.

**EQT 0028 37-05-F - Control Flare**

- 54 [40 CFR 60.18(c)(1)] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]  
 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]  
 Heat content  $\geq$  200 BTU/scf (7.45 MJ/sec). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]  
 Which Months: All Year Statistical Basis: None specified  
 Exit Velocity  $<$  400 ft/sec (122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4), and less than the velocity Vmax, as determined by the method specified in 40 CFR 60.18(f)(5). Subpart A. [40 CFR 60.18(c)(4)(iii)]  
 Which Months: All Year Statistical Basis: None specified  
 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]  
 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]  
 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]  
 Which Months: All Year Statistical Basis: None specified  
 Opacity  $\leq$  20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.  
 Which Months: All Year Statistical Basis: None specified
- EQT 0032 39-08-ICE-ES - Internal Combustion Engine - Exhaust Engine**
- 62 [LAC 33.III.1101.B] Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average  
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID:** 32666 - Cox Bay Compressor Station  
**Activity Number:** PER20080001  
**Permit Number:** 2240-00214-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT 0032 39-08-ICE-ES - Internal Combustion Engine - Exhaust Engine**

- 65 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NOx, CO, O<sub>2</sub>, SO<sub>2</sub> and VOC concentrations in the stack gas obtained during annual testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

**EQT 0034 42-08-ICE-ES - Internal Combustion Engine - Exhaust Engine**

- 71 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: Six-minute average

**EQT 0035 43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine**

**SPECIFIC REQUIREMENTS**

AI ID: 32666 - Cox Bay Compressor Station  
 Activity Number: PER20080001  
 Permit Number: 2240-00214-V3  
 Air - Title V Regular Permit Minor Mod

**EQT 0035 43-08-ICE-ES - Internal Combustion Engine - Exhaust Engine**

73 [LAC 33.III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

74 [LAC 33.III.1311.C]

Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**FUG 0001 20-96-FE - Fugitive Emissions**

75 [LAC 33.III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**GRP 0004 CAP 2 - Emission Cap for Generator Engines**

Group Members: EQT 0034 EQT 0035

76 [LAC 33.III.501.C.6]

Permittee shall demonstrate compliance with emission limits of this emission cap by recording the operating hours of Engine 42-08-ICE-ES (EQT034) and Engine 43-08-ICE-ES (EQT035). The combined total operating hours of these engines are limited to 10,000 hour per year. The operating hours of these engines shall be recorded each month. The total operating hours of these engines for the last twelve months shall also be recorded. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total operating hours of these engines over 10,000 hours for any twelve consecutive month period shall be considered a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing operating hours for the preceding calendar year shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31.

**UNF 0002 FACILITY WIDE - Cox Bay Compressor & Oil Facility**

77 [40 CFR 70.5(a)(1)(iii)]

78 [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]  
 Submit Title V monitoring results report: Due semiannually, by March 31 and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

**SPECIFIC REQUIREMENTS**

AI ID: 32666 - Cox Bay Compressor Station  
 Activity Number: PER20080001  
 Permit Number: 2240-00214-V3  
 Air - Title V Regular Permit Minor Mod

**UNF 0002 FACILITY WIDE - Cox Bay Compressor & Oil Facility**

- 79 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 80 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 81 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111
- 82 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 83 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 84 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 85 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 86 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 87 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 88 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.